Peter Krzystek

List of Publications by Year
in descending order

27	1,172	623734 14	642732 23
papers	citations	h-index	g-index

28	28	28	1513
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	3D segmentation of single trees exploiting full waveform LIDAR data. ISPRS Journal of Photogrammetry and Remote Sensing, 2009, 64, 561-574.	11.1	371
2	Tree species classification and estimation of stem volume and DBH based on single tree extraction by exploiting airborne full-waveform LiDAR data. Remote Sensing of Environment, 2012, 123, 368-380.	11.0	249
3	Heterogeneityâ€“diversity relationships differ between and within trophic levels in temperate forests. Nature Ecology and Evolution, 2020, 4, 1204-1212.	7.8	76
4	Detection of fallen trees in ALS point clouds using a Normalized Cut approach trained by simulation. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 105, 252-271.	11.1	68
5	Radar vision in the mapping of forest biodiversity from space. Nature Communications, 2019, 10, 4757.	12.8	66
6	Estimating over- and understorey canopy density of temperate mixed stands by airborne LiDAR data. Forestry, 2016, 89, 69-81.	2.3	52
7	Large-Scale Mapping of Tree Species and Dead Trees in Åumava National Park and Bavarian Forest National Park Using Lidar and Multispectral Imagery. Remote Sensing, 2020, 12, 661.	4.0	33
8	Sensitivity Analysis of 3D Individual Tree Detection from LiDAR Point Clouds of Temperate Forests. Forests, 2014, 5, 1122-1142.	2.1	32
9	Combining graph-cut clustering with object-based stem detection for tree segmentation in highly dense airborne lidar point clouds. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 172, 207-222.	11.1	29
10	Estimation of regeneration coverage in a temperate forest by 3D segmentation using airborne laser scanning data. International Journal of Applied Earth Observation and Geoinformation, 2016, 52, 252-262.	2.8	26
11	Adaptive stopping criterion for top-down segmentation of ALS point clouds in temperate coniferous forests. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 141, 265-274.	11.1	23
12	A voting-based statistical cylinder detection framework applied to fallen tree mapping in terrestrial laser scanning point clouds. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 129, 118-130.	11.1	22
13	Learning a constrained conditional random field for enhanced segmentation of fallen trees in ALS point clouds. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 140, 33-44.	11.1	20
14	Active learning approach to detecting standing dead trees from ALS point clouds combined with aerial infrared imagery. , 2015, , .		15
15	Combining Active and Semisupervised Learning of Remote Sensing Data Within a Renyi Entropy Regularization Framework. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 2910-2922.	4.9	15
16	Lidar Strip Adjustment with Automatically Reconstructed Roof Shapes. Photogrammetric Record, 2012, 27, 272-292.	0.4	14
17	Classification of Tree Species as Well as Standing Dead Trees Using Triple Wavelength ALS in a Temperate Forest. Remote Sensing, 2019, 11, 2614.	4.0	14
18	Classification of Tree Species and Standing Dead Trees with Lidar Point Clouds Using Two Deep Neural Networks: PointCNN and 3DmFV-Net. PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science, 2022, 90, 103-121.	1.1	12

#	Article	IF	Citations
19	Detection of radioactive waste sites in the Chornobyl exclusion zone using UAV-based lidar data and multispectral imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 167, 345-362.	11.1	11
20	Complete Automation of Digital Aerial Triangulation. Photogrammetric Record, 1997, 15, 645-656.	0.4	8
21	A laboratory for conceiving Essential Biodiversity Variables (EBVs)â€"The â€˜Data pool initiative for the Bohemian Forest Ecosystemâ€™. Methods in Ecology and Evolution, 2021, 12, 2073-2083.	5.2	4
22	Extraction of Non-forest Trees for Biomass Assessment Based on Airborne and Terrestrial LiDAR Data. Lecture Notes in Computer Science, 2011, , 121-132.	1.3	4
23	Real-time positioning of moving objects by dynamic target tracking. ISPRS Journal of Photogrammetry and Remote Sensing, 1991, 46, 147-160.	11.1	2
24	Objektbasierte Segmentierung und Klassifikation von LiDAR-Punktwolken. , 2017, , 645-684.		1
25	Editorial: Remote and Proximal Sensing of Grasslands. PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science, 2020, 88, 367-368.	1.1	0
26	Objektbasierte Segmentierung und Klassifikation von LiDAR-Punktwolken. , 2015, , 1-40.		0
27	Editorial for Special Issue: Advanced Methods and Applications in Remote Sensing for Forestry and Agroforestry. PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science, 2022, 90, 91-91.	1.1	0